# **Signature Page**

Signed By

MICHAEL HIXON

Organization

OG AND E

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I am free to discontinue this transaction by selecting "Cancel"; otherwise, the records will be submitted to the DEQ, and the transaction will be complete.

### **Confirmation Number**

S20220325092144-F11-R2021

## 2021 Emissions Inventory Report OG AND E (330)

### **Emissions Summary for RIVER VALLEY GENERATING STATION (11)**

CRITERIA AIR POLLUTANT (CAP) EMISSIONS TOTALS						
Pollutant Code/CAS#	Pollutant Name	Total Emissions (tons)*				
CO	Carbon Monoxide	996.676				
NOX	Nitrogen Oxides (NOx) expressed as NO2	1,519.843				
PM10-PRI	PM10 - Primary (Filterable + Condensible)	142.711				
PM25-PRI	PM2.5 - Primary (Filterable + Condensible)	82.869				
SO2	Sulfur Oxides (SOx) expressed as SO2	636.102				
VOC	Volatile Organic Compounds (VOCs)	2.905				

#### HAZARDOUS AIR POLLUTANT (HAP) and/or OTHER POLLUTANT EMISSIONS TOTALS Pollutant Code/CAS# Pollutant Name Is VOC/PM? **Total Emissions** (tons)\* 121142 VOC 0.022 2,4-Dinitrotoluene (HAP) 75070 Acetaldehyde (HAP-TOX) VOC 0.025 98862 Acetophenone (HAP) VOC 0.016 107028 VOC 0.029 Acrolein (HAP) 107131 Acrylonitrile (HAP-TOX) VOC 0.09 71432 0.017 Benzene (including benzene from gasoline) (HAP-TOX) VOC 92875 Benzidine (HAP) VOC 0.023 100447 Benzyl chloride (HAP) VOC 0.016 117817 Bis(2-ethylhexyl)phthalate (DEHP) (HAP) VOC 0.02 75150 Carbon disulfide (HAP) VOC 0.014 132649 Dibenzofuran (HAP) VOC 0.023 84742 VOC Dibutylphthalate (HAP) 0.006 131113 Dimethyl phthalate (HAP) VOC 0.007 106934 Ethylene dibromide (Dibromoethane) (HAP) VOC 0.004 50000 Formaldehyde (HAP-TOX) VOC 0.015 110543 Hexane (HAP) VOC 0.018 7647010 Hydrochloric acid (HAP) PM1.765 7664393 Hydrogen fluoride (Hydrofluoric acid) (HAP) PM0.47 7439976 Mercury (HAP-TOX) PM0.007

Pollutant Code/CAS#	Pollutant Name	Is VOC/PM?	Total Emissions (tons)*
108101	Methyl isobutyl ketone (Hexone) (HAP)	VOC	0.073
75092	Methylene chloride (Dichloromethane) (HAP-TOX)	-	0.156
108952	Phenol (HAP)	VOC	0.016
123386	Propionaldehyde (HAP)	VOC	0.041
7664939	Sulfuric acid (including acid mist expressed as H2SO4) (OTH)	PM	0.073
108883	Toluene (HAP-TOX)	VOC	0.014

### **2021 Emissions Inventory Report**

### **OG AND E (330)**

### **RIVER VALLEY GENERATING STATION (11)**

COMPANY

PO BOX 321 MC610 Mailing Address:

OKLAHOMA CITY, OK 73102-0321

Contact Phone: (405) 553-3000 Contact FAX: (553) 553-3689

FACILITY

Facility Identifier: 11 Facility Name:

Status: OP - Operating Status Year:

RIVER VALLEY GENERATING STATION

NAICS:

Comments:

FACILITY - ADDRESS

**Location Address:** 

3 MILES E OF HWY 31/59 JCT

221112 (Primary) - Fossil Fuel Electric Power Generation

PANAMA, OK 74951

FACILITY - LOCATION

35.19506 Latitude (decimal degress):

-94.64569 Longitude (decimal degress):

Collection Method: 09/22/2009 020 - interpolation-satellite Data Collection Date:

Geographic Reference Point: Geodetic Reference System: 003 - World Geodetic System of 1984

### FACILITY - ADDITIONAL INFORMATION

Field Name	Field Value
Oil & Gas Facility Category	Not Applicable
Permit Number(s)	86-045-C PSD,2016-0355-TVR2
SIC Number	4911
TRI Identifier (ID)	74951SSHDY3MLE

RELEASE POINTS	RELEASE POINTS									
ID	Туре	Description	Status	Details	Location					
8315	Vertical	Unit 1A, 1B, 2A, 2B Common Boiler Stack	OP in 2007	Height: 350.0 FEET, Shape: Circular, Diameter: 17.0 FEET, Temperature: 350.0 F, Flow Rate: 800,016.0 ACFM, Velocity: 58.74 FPS	Lat/Long: (35.19281, -94.64691)					
8319	Fugitive Area	Railcar Unloading	TS in 2002	Fugitive Height: 15.0 FEET, Fugitive Width: 1,268.0 FEET, Fugitive Length: 1,268.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location					
8320	Fugitive Area	Vehicle traffic	OP in 2002	Fugitive Height: 11.0 FEET, Fugitive Width: 107.0 FEET, Fugitive Length: 107.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location					
8321	Fugitive Area	Coal transfer	OP in 2002	Fugitive Height: 15.0 FEET, Fugitive Width: 1,268.0 FEET, Fugitive Length: 1,268.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location					
8322	Fugitive Area	Limestone transfer	OP in 2007	Fugitive Height: 15.0 FEET, Fugitive Width: 990.0 FEET, Fugitive Length: 990.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location					
8323	Fugitive Area	Ash handling	OP in 2007	Fugitive Height: 15.0 FEET, Fugitive Width: 252.0 FEET, Fugitive Length: 252.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location					
8325	Fugitive Area	Storage piles for ash and coal	OP in 2002	Fugitive Height: 15.0 FEET, Fugitive Width: 1,341.0 FEET, Fugitive Length: 1,341.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location					
12792	Vertical	CO2 Plant Stack	TS in 2002	Height: 104.0 FEET, Shape: Circular, Diameter: 2.5 FEET, Temperature: 212.0 F, Flow Rate: 17,354.0 ACRM, Velocity: 58.92 FPS	Uses Facility Site Location					
	Comment: 002	Plant didn't operate in 2020								
35895	Vertical	Cooling Towers EJG-10	OP in 2006	Height: 60.0 FEET, Shape: Circular, Diameter: 52.0 FEET, Temperature: 78.0 F, Flow Rate: 6,371,150.0 ACRM, Velocity: 50.0 FPS	Uses Facility Site Location					
160625	Vertical	BNG-1 1,180-hp Currnins KTA-38-Gl Emergency Diesel Power Generator	OP in 2017	Height: 3.0 FEET, Shape: Circular, Diameter: 0.5 FEET, Temperature: 900.0 F, Flow Rate: 1,592.0 ACFM, Velocity: 135.0 FPS	Uses Facility Site Location					
160717	Vertical	BNG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump	OP in 2017	Height: 3.0 FEET, Shape: Orcular, Diameter: 0.5 FEET, Temperature: 900.0 F, Flow Rate: 1,592.0 ACFM, Velocity: 135.13 FPS	Uses Facility Site Location					
160730	Vertical	ENG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	OP in 2017	Height: 4.0 FEET, Shape: Circular, Diameter: 0.5 FEET, Temperature: 900.0 F, Flow Rate: 1,592.0 ACFM, Velocity: 135.1 FPS	Uses Facility Site Location					

CONTROL DEV	CONTROL DEVICES							
ID	Description	Status	Control Measure	Controlled Pollutants				
122037	Low Excess Air Firing Primary 100 99	OP	29 - Low Excess Air Firing	NOX-Ntrogen Oxides (NOx) expressed as NO2: 99.0%				
122038	Dry Limestone Injection Primary 100 92.2	OP	41 - Dry Limestone Injection	SO2-Sulfur Oxides (SOx) expressed as SO2: 92.2%				
122039	Other Control Device Primary 100 50	OP	99 - Other Control Device	PM10-PRI-PM10 - Primary (Filterable + Condensible): 50.0%				
122040	Other Control Device Primary 100 95	OP	99 - Other Control Device	PM10-PRI-PM10 - Primary (Filterable + Condensible): 95.0%				
122041	Fabric Filter / Baghouse Primary 100 98	OP	127 - Fabric Filter / Baghouse	PM10-PRI-PM10 - Primary (Filterable + Condensible): 98.0%				
122042	Fabric Filter / Baghouse Primary 100 99	OP	127 - Fabric Filter / Baghouse	7439921-Lead: 99.0%, PM10-PRI-PM10 - Primary (Filterable + Condensible): 99.0%, PM25-PRI-PM2.5 - Primary (Filterable + Condensible): 99.0%, 7440473-Chromium 99.0%, OKDEQ5216-Fluorides (non-HAP): 99.0%, 7439965-Manganese: 99.0%, 7440020-Nickel: 99.0%				
122043	Fabric Filter / Baghouse Secondary 100 99	OP	127 - Fabric Filter / Baghouse	SO2-Sulfur Oxides (SOx) expressed as SO2: 99.0%				
122044	Dust Suppression Primary 100 50	OP	217 - Dust Suppression	PM10-PRI-PM10 - Primary (Filterable + Condensible): 50.0%				

EMISSION UNITS	EMISSION UNITS EMISSION UNITS							
ID	Туре	Description	Status	Details				
8315	100 - Boiler	Boiler 1A B-01A EUG-2	OP in 2002	Operation Start: , Design Capacity: 901.27 E6BTU/HR				
8316	100 - Boiler	Boiler 1B B-02-01B EUG-2	OP in 2002	Operation Start: , Design Capacity: 857.84 E6BTU/HR				
8317	100 - Boiler	Boiler 2A B-02-02A EUG-2	OP in 2002	Operation Start: , Design Capacity: 872.95 E6BTU/HR				
8318	100 - Boiler	Boiler 2B B-02-02B EUG-2	OP in 2002	Operation Start: , Design Capacity: 881.07 E6BTU/HR				
8319	770 - Transfer Point	Railcar Unloading	TS in 2011	Operation Start: , Design Capacity:				
8320	300 - Open Air Fugitive Source	Vehicle Traffic BJG-7	OP in 2002	Operation Start: , Design Capacity:				
8321	770 - Transfer Point	Coal handling BUG-6	OP in 2002	Operation Start: , Design Capacity:				
8322	760 - Conveyor	Limestone handling BJG-5	OP in 2002	Operation Start: , Design Capacity:				
8323	760 - Conveyor	Ash handling EUG-4	OP in 2002	Operation Start: , Design Capacity:				
8325	785 - Open Storage Pile	Storage piles EUG-8	OP in 2002	Operation Start: , Design Capacity:				
12776	690 - Other process equipment	CO2 Plant EUG-3	TS in 2002	Operation Start: , Design Capacity:				
	Comment: CO2 plant didn't operate in 2020							
36186	680 - Cooling Tower	Cooling Towers EUG-10	OPin 2006	Operation Start: , Design Capacity:				
161174	160 - Reciprocating IC Engine	ENG-1 1,180-hp Currnins KTA-38-GI Emergency Diesel Power Generator	OP in 2017	Operation Start: , Design Capacity: 1,180.0 HP				
161271	160 - Reciprocating IC Engine	ENG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump	OP in 2017	Operation Start: , Design Capacity: 890.0 HP				
161286	160 - Reciprocating IC Engine	ENG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	OPin 2017	Operation Start: , Design Capacity: 490.0 HP				

UNIT PROCESSES	UNIT PROCESSES							
Emission Unit ID	Unit Process ID	SCC	Description	Status	Details			
<b>8315</b> Boiler 1A B-01A BUG-2	39171	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Orculating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%			
<b>8315</b> Boiler 1A B-01A BUG-2	39172	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%			
<b>8316</b> Boiler 1B B-02-01B BJG-2	39173	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Groulating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%			

Emission Unit ID	Unit Process ID	scc	Description	Status	Details
8316 Boiler 1B B-02-01B EUG-2	39174	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
<b>8317</b> Boiler 2A B-02-02A EUG-2	39175	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Grculating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
8317 Boiler 2A B-02-02A EUG-2	39176	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP .	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
8318 Boiler 2B B-02-02B EUG-2	39177	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
8318 Boiler 2B B-02-02B EUG-2	39178	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
8319 Railcar Unloading	39179	30501044	Coal Mining, Cleaning, and Material Handling - Train Loading: Coal	TS in 2011	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8319 - Railcar Unloading: 100.0%
8320 Vehicle Traffic EUG- 7	39180	30502011	Stone Quarrying - Processing (See also 305320) - Hauling	OP	Control Approach Controlled?: Yes Description: Dust Suppression Control Devices: 122044-Dust Suppression Primary 100 50, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  Release Point Apportionment: 8320 - Vehicle traffic: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
8321 Coal handling EUG-6	39181	30501011	Coal Mining, Cleaning, and Material Handling - Coal Transfer	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8321 - Coal transfer: 100.0%
8322 Limestone handling EUG-5	39182	30510105	Bulk Materials Conveyors - Limestone	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8322 - Limestone transfer: 100.0%
8323 Ash handling EUG-4	39183	30510199	Bulk Materials Conveyors - Other Not Classified	OP .	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse Control Devices: 122041-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  Release Point Apportionment: 8323 - Ash handling: 100.0%
8325 Storage piles EUG-8	39185	30510203	Bulk Materials Storage Bins - Coal	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8325 - Storage piles for ash and coal: 100.0%
12776 CC2 Plant EUG-3	39186	39000699	Natural Gas - General	TS in 2002	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 12792 - CO2 Plant Stack: 100.0%
<b>12776</b> CO2 Plant EUG-3	39187	3999999	Mscellaneous Industrial Processes - Other Not Classified	TS in 2002	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 12792 - CO2 Plant Stack: 100.0%
36186 Cooling Towers EUG-10	142967	38500101	Process Cooling - Mechanical Draft	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 35895 - Cooling Towers EUG-10: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
161174 ENG-1 1,180-hp Curmins KTA-38-GI Emergency Diesel Power Generator	284777	20100107	Distillate Oil (Diesel) - Reciprocating: Exhaust	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 160625 - ENG-1 1,180-hp Cummins KTA-38-GI Emergency Diesel Power Generator: 100.0%
161271 BNG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump	284857	20100107	Distillate Oil (Diesel) - Reciprocating: Exhaust	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 160717 - ENG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump: 100.0%
161286 BNG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	285150	20200102	Distillate Oil (Diesel) - Reciprocating	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 160730 - ENG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump: 100.0%

PROCESS EMISSI	ONS							
Emission Unit ID	Unit Process ID	Throughput			Operations			
<b>8315</b> Boiler 1A B-01A EUG-2	39171 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	Annual Throughput: 122,818.15 TONS (Coal) (Input)	<b>ughput:</b> 122,818.15 TONS (Coal) (Input)			Average Hours/Day: 20.6, Days/Week: 5.1, Weeks/Year: 30.0 Actual Hours/Year: 3,018.8 Seasonal Operations: Dec-Feb: 18.1%, Mar-May: 7.3%, Jun-Aug: 55.0%, Sep-Nov: 19.6%		
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
			2.7711	TON - TO	VS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	170.1706877325	
			Stack Test Date: 02/06/1991					
			Emission Comment: 1991 S	tack Test			1	
		NOX - Nitrogen Oxides (NOx) expressed as NO2				1_0 - Continuous Emission Monitoring System (CEMS)	258.1340373	
			Emission Comment: Emission boiler Part 60 emissions.	ons are mea	asure by the Part 75 CEVIS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.012	E6BTU-N	ALLION BTUS	4_2 - Stack Test - US EPA Reference Method (pre- Control EF)	13.199	
			Stack Test Date: 02/06/1991					
			Overall Control Efficiency: 9					
			Emission Comment: 1991 S	tack Test		I		
		PW25-PRI - PM2.5 - Primary (Filterable + Condensible)	0.007	E6BTU- N	ALLION BTUS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	7.7	
			Stack Test Date: 02/06/1991					
			Emission Comment: 1991 S	Stack Test		1		
		SO2 - Sulfur Oxides (SOx) expressed as SO2				1_0 - Continuous Emission Monitoring System (CEMS)	135.2180674	
			Emission Comment: Emission boiler Part 60 emissions.	ons are mea	asure by the Part 75 CEVIS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per	
		VCC - Volatile Organic Compounds (VCCs)	0.006	TON-TO	NS .	4_0 - Stack Test - US EPA Reference Method (no Control EF)	0.36845445	
			Stack Test Date: 02/06/1991					
			Emission Comment: 1991 S	tack Test			_	
		121142 - 2,4-Dinitrotoluene		1		10_0 - OK DEQ Approved Method (no EF)	0.003826	
		77070 4 4444 4	Emission Comment: HAPS:	and Toxics a	are calculated using EPRIT		0.00.054	
		75070 - Acetaldehyde	F : : 0 (1000)	1		10_0 - OK DEQ Approved Method (no EF)	0.004251	
		00062 Acctophonone	Emission Comment: HAPS	and Toxics a	are calculated using 🖂 1	10 0 - OK DEQ Approved Method (no EF)	0.000034	
		98862 - Acetophenone	Emission Comment: HAPS	and Taylog	are coloulated using CDIT	1	0.002834	
		107028 - Acrolein	Emission Comment: naps	and toxics a	are calculated using EPN 1	10 0 - OK DEQ Approved Method (no EF)	0.0049595	
		10/028 - ACIOIGIT	Emission Comment: HAPS	and Toyics :	are calculated using FPRIT		0.0049393	
		107131 - Acrylonitrile	Emission comment. FAI O	and roxics a	are calculated using LTVT	10 0 - OK DEQ Approved Method (no EF)	0.0155865	
		10. 10. Tolyformulio	Emission Comment: HAPS:	and Toxics :	are calculated using EPRIT	1	2.2.00000	
		71432 - Benzene (including benzene fromgasoline)		1		10_0 - OK DEQ Approved Method (no EF)	0.0029175	
		(	Emission Comment: HAPS:	and Toxics	are calculated using EPRIT		· · · <del> · · · -</del>	
		92875 - Benzidine			5	10 0 - OK DEQ Approved Method (no EF)	0.0039675	
		<u> </u>	Emission Comment: HAPS:	and Toxics	are calculated using EPRIT		+	
		100447 - Benzyl chloride				10_0 - OK DEQ Approved Method (no EF)	0.002692	
		1						

		<b>Emis:stactGoroussochil</b> APS a	TEMISK Fac	rerogigiviated using ⊞R		Estimated Emis. (Tons)		
117	7817 - Bis(2-ethylhexyl)phthalate (D⊟+P)				10_0 - OK DEQ Approved Method (no EF)	0.0034005		
		Emission Comment: HAPS a	nd Toxics a	re calculated using EPRI <sup>-</sup>	TRI for Power Plants Software	•		
75	150 - Carbon disulfide				10_0 - OK DEQ Approved Method (no EF)	0.002409		
<u></u>		Emission Comment: HAPS a	nd Toxics a	are calculated using EPRI	TRI for Power Plants Software	4		
132	2649 - Dibenzofuran				10 0 - OK DEQ Approved Method (no EF)	0.0039675		
		Emission Comment: HAPS a	nd Toxics a	are calculated using FPRI	= :: ;			
847	.742 - Dibutylphthalate	Zinoolon Commonari vii Ca	10,100 0	a o ocaocalcaco con ig Li i v	10_0 - OK DEQ Approved Method (no EF)	0.0010345		
041		Emission Comment: HAPS a	nd Toylog o	are coloulated using EDDI		0.0010040		
40		unission comment. PAFS a	IIU IUXIUS a	ille calculated using ETN		0.0040755		
13	1113 - Dimethyl phthalate	E : : 0 (110 PM			10_0 - OK DEQ Approved Method (no EF)	0.0012755		
		Emission Comment: HAPS a	nd Toxics a	are calculated using 1970		T		
106	6934 - Ethylene dibromide (Dibromoethane)				10_0 - OK DEQ Approved Method (no EF)	0.0006945		
		Emission Comment: HAPS a	nd Toxics a	re calculated using EPRI	TRI for Power Plants Software			
500	000 - Formaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.0039535		
<u> </u>		Emission Comment: HAPS a	nd Toxics a	are calculated using EPRI	TRI for Power Plants Software	•		
110	0543 - Hexane			<del>-</del>	10_0 - OK DEQ Approved Method (no EF)	0.0031345		
<u></u>		Emission Comment: HAPS a	nd Toxics a	are calculated using EPRIT		+		
76/	47010 - Hydrochloric acid				10_0 - OK DEQ Approved Method (no EF)	0.304645		
70	•	Emissian Comments UATC o	nd Tovico o	ura adaulatad uning IIII	1 - , , ,			
		upon the average of all HO test	in 2021 wa	as used in the software.	TRI for Power Plants Software. A site specific emission			
766	64393 - Hydrogen fluoride (Hydrofluoric acid)				10_0 - OK DEQ Approved Method (no EF)	0.030809		
		Emission Comment: HAPS a	Emission Comment: HAPS and Toxics are calculated using EPRI TRI for Power Plants Software					
743	39976 - Mercury				10_0 - OK DEQ Approved Method (no EF)	0.0012895		
<u> </u>		Emission Comment: HAPS a	nd Toxics a	are calculated using EPRI	TRI for Power Plants Software			
108	8101 - Methyl isobutyl ketone (Hexone)				10_0 - OK DEQ Approved Method (no EF)	0.012611		
<u> </u>	, ,	Emission Comment: HAPS a	nd Toxics a	are calculated using FPRI	1 - , , ,	I		
750	092 - Methylene chloride (Dichloromethane)		10 10/1100 0	a o octobración doning a i i	10 0 - OK DEQ Approved Method (no EF)	0.026922		
700	,	Emission Comment: HAPS a	nd Tovice o	era adaulatad using CDD	= :: ;	0.020022		
100		unission comment. PAFS a	IIU IUXIUS a	ille calculated using ETN		0.000000		
100	18952 - Phenol	<b>-</b>	<u> </u>		10_0 - OK DEQ Approved Method (no EF)	0.002692		
_		Emission Comment: HAPS a	nd Toxics a	re calculated using EPR		T		
123	3386 - Propionaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.007085		
_		Emission Comment: HAPS a	nd Toxics a	are calculated using EPRI	TRI for Power Plants Software			
766	64939 - Sulfuric acid (including acid mist expressed as H2SO4)				10_0 - OK DEQ Approved Method (no EF)	0.0141645		
		Emission Comment: HAPS a	nd Toxics a	are calculated using EPRI	IRI for Power Plants Software	•		
108	8883 - Toluene			-	10 0 - OK DEQ Approved Method (no EF)	0.0024025		
<u></u>		Emission Comment: HAPS a	nd Toxics a	are calculated using EPRIT		+		
s ID Th	nroughput			Operations				
ווו טו פו	ii ougiiput			•	2 December 5.4 Media 9.4			
- Boiler, 🛕	nnual Throughput: 79,658.93 MLLION BTUS (Natural Gas) (Input)			-	5, Days/Week: 5.1, Weeks/Year: 30.0			
ו בסווכו, או	iniuai iniougriput. 73,000.30 Million di 03 (Naturai Gas) (Input)			Actual Hours/Year: 3,018				
				Seasonal Operations: De	c-Feb: 18.1%, Mar-May: 7.3%, Jun-Aug: 55.0%, Sep-N	Nov: 19.6%		
Co	omment: Natural gas is used as a startup fueld and is co-fired with	coal. Therefore, gas hours and	l coal hours	are the same.				
Po	ollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)		
_		· · · · · · · · · · · · · · · · · · ·		MILLION STANDARD	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	•		
		Overall Control Efficiency: 0.			1 '	ı		
		•		MILLION STANDARD	8_2 - US EPA Documents incl. AP-42 & WebFIRE			
I N I C	DX - Nitrogen Oxides (NOx) expressed as NO2	140.0	CUBIC FEE		(pre-Control ET)	5.47		

Emission Unit ID

**8315** Boiler 1A B-01A EUG-2

		Pollutant	Eves all Countre Stiring cy:	99Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.297
			Overall Control Efficiency:	99.0%			
		PW25-PRI - PM2.5 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.297
			Overall Control Efficiency:	99.0%			
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.0234
			Overall Control Efficiency:	99.922%			
		VOC - Volatile Organic Compounds (VOCs)	5.5	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.215
			Overall Control Efficiency:	0.0%			
Emission Unit ID	Unit Process ID	Throughput			Operations		
8316 Boiler 1B B-02-01B BUG-2 - Boiler, Atmosp Ruidize Combus	39173 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Groulating Bed	Annual Throughput: 130,136.62 TONS (Coal) (Input)			Actual Hours/Year: 3,19	ec-Feb: 23.4%, Mar-May: 8.6%, Jun-Aug: 45.8%, Sep-N	lov: 22.2%
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM		Estimated Emis. (Tons)
		CO - Carbon Monoxide	2.7711	TON-TO	NS .	4_0 - Stack Test - US EPA Reference Method (no Control EF)	180.310793841
			Stack Test Date: 02/06/1991				
			Emission Comment: 1991 S	Stack Test			
		NOX - Ntrogen Oxides (NOx) expressed as NO2				1_0 - Continuous Emission Monitoring System (CEVS)	281.8730038
			Emission Comment: Emission boiler Part 60 emissions.	ons are mea	sure by the Part 75 CEMS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.04	E6BTU-N	ALLION BTUS	4_2 - Stack Test - US EPA Reference Method (pre- Control EF)	46.277
			Stack Test Date: 02/06/1991				
			Overall Control Efficiency: 9				
			Emission Comment: 1991 S	Stack Test		Transition of the state of	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	0.022		MILLION BTUS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	25.453
			Stack Test Date: 02/06/1991				
			Emission Comment: 1991 S	Stack Test		T	
		SO2 - Sulfur Oxides (SOx) expressed as SO2				1_0 - Continuous Emission Monitoring System (CEVS)	146.1079274
			Emission Comment: Emission boiler Part 60 emissions.	ons are mea	sure by the Part 75 CBVS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per
		VOC - Volatile Organic Compounds (VOCs)	0.006	TON-TO	NS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	0.39040986
			Stack Test Date: 02/06/1991		·		<u> </u>
			Emission Comment: 1991 S	Stack Test			
		121142 - 2,4-Dinitrotoluene				10_0 - OK DEQ Approved Method (no EF)	0.0040565
		<u> </u>	Emission Comment: HAPS	and Toxics	are calculated using EPRI		I
		75070 - Acetaldehyde	F 1 1 0 1117	1			0.004507
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	IHI for Hower Plants Software	

Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
98862 - Acetophenone			10_0 - OK DEQ Approved Method (no EF)	0.003005
·	Emission Comment: HAPS a	and Toxics are calculated using B	EPRI TRI for Power Plants Software	<b>-</b>
107028 - Acrolein			10_0 - OK DEQ Approved Method (no EF)	0.0052585
	Emission Comment: HAPS a	and Toxics are calculated using B	EPRITRI for Power Plants Software	1
107131 - Acrylonitrile			10_0 - OK DEQ Approved Method (no EF)	0.0165265
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	
71432 - Benzene (including benzene from gasoline)			10_0 - OK DEQ Approved Method (no EF)	0.0030785
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	•
92875 - Benzidine			10_0 - OK DEQ Approved Method (no EF)	0.0042065
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Flants Software	
100447 - Benzyl chloride			10_0 - OK DEQ Approved Method (no EF)	0.0028545
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	
117817 - Bis(2-ethylhexyl)phthalate (D <del>B-P</del> )			10_0 - OK DEQ Approved Method (no EF)	0.003606
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	
75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.002554
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	
132649 - Dibenzofuran			10_0 - OK DEQ Approved Method (no EF)	0.0042065
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	
84742 - Dibutylphthalate			10_0 - OK DEQ Approved Method (no EF)	0.001097
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Flants Software	
131113 - Dimethyl phthalate			10_0 - OK DEQ Approved Method (no EF)	0.001352
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Flants Software	
106934 - Ethylene dibromide (Dibromoethane)			10_0 - OK DEQ Approved Method (no EF)	0.000736
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Flants Software	
50000 - Formaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.003592
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Flants Software	
110543 - Hexane			10_0 - OK DEQ Approved Method (no EF)	0.0033205
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Flants Software	
7647010 - Hydrochloric acid			10_0 - OK DEQ Approved Method (no EF)	0.3224345
	Emission Comment: HAPS a upon the average of all HO tes	and Toxics are calculated using E t in 2021 was used in the softwa	EPRITRI for Power Flants Software. A site specific emisare.	ssion factor of 215 lb/Tbtu based
7664393 - Hydrogen fluoride (Hydrofluoric acid)			10_0 - OK DEQ Approved Method (no EF)	0.037189
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Flants Software	•
7439976 - Mercury			10_0 - OK DEQ Approved Method (no EF)	0.001365
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	
108101 - Methyl isobutyl ketone (Hexone)			10_0 - OK DEQ Approved Method (no EF)	0.0133715
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	•
75092 - Methylene chloride (Dichloromethane)			10_0 - OK DEQ Approved Method (no EF)	0.028546
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	
108952 - Phenol			10_0 - OK DEQ Approved Method (no EF)	0.0028545
	Emission Comment: HAPS a	and Toxics are calculated using B	EPRITRI for Power Plants Software	l
123386 - Propionaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.007512
•	Emission Comment: HAPS a	and Toxics are calculated using B	EPRITRI for Power Plants Software	<b>I</b>
7664939 - Sulfuric acid (including acid mist expressed as H2SO4)			10_0 - OK DEQ Approved Method (no EF)	0.018019
	Emission Comment: HAPS a	and Toxics are calculated using E	EPRITRI for Power Plants Software	<u> </u>
108883 - Toluene			10_0 - OK DEQ Approved Method (no EF)	0.0025235
<u> </u>	†	<u> </u>		<u> </u>

	•	Pollutant	Emissian Comment white	Sand-Toxics 6		TRHor-Romen Flants Software	Estimated Emis. (Tons)
Emission Unit ID	Unit Process ID	Throughput	,		Operations		,
8316 Boiler 1B B-02-01B EUG-2	39174 Natural Gas - Boiler, >= 100 Million BTU/hr	Annual Throughput: 70,344.41 MILLION BTUS (Natural Gas) (Inpu	t)		Actual Hours/Year: 3,19	.7, Days/Week: 4.8, Weeks/Year: 33.0 13.7 ec-Feb: 23.4%, Mar-May: 8.6%, Jun-Aug: 45.8%, Sep-I	Nov: 22.2%
	•	Comment: Natural gas is used as a startup fueld and is co-fired w	ith coal. Therefore, gas hours a	and coal hours	s are the same.		
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide	84.0	E6FT3S - I	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	2.9
			Overall Control Efficiency:	0.0%			•
		NOX - Ntrogen Oxides (NOx) expressed as NO2	140.0	E6FT3S - I	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	4.86
			Overall Control Efficiency:	99.0%			
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	7.6	E6FT3S - I	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.262
			Overall Control Efficiency:	99.0%		•	•
		PW25-PRI - PM2.5 - Primary (Filterable + Condensible)	7.6	E6FT3S - I	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.262
			Overall Control Efficiency:	: 99.0%			
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.6	E6FT3S - I CUBIC FEE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.021
			Overall Control Efficiency:	99.922%			
		VOC - Volatile Organic Compounds (VOCs)	5.5	E6FT3S - I CUBIC FEE	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.19
			Overall Control Efficiency:	: 0.0%			
Emission Unit ID	Unit Process ID	Throughput	Overall Control Efficiency:		Operations		
Emission Unit ID  8317 Boiler 2A B-02-02A EUG-2	Unit Process ID 39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	Annual Throughput: 228,443.5 TONS (Coal) (Input)	Overall Control Efficiency:		Average Hours/Day: 22 Actual Hours/Year: 5,34	.0, Days/Week: 5.8, Weeks/Year: 44.0 10.4 ec-Feb: 20.7%, Mar-May: 27.7%, Jun-Aug: 31.1%, Sep	-Nov: 20.5%
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:		Emis. Factor (Lbs/UOM)		Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D	0.4	b-Nov: 20.5%  Estimated Emis. (Tons)
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)	-		Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D	i0.4 - ec-Feb: 20.7%, Mar-May: 27.7%, Jun-Aug: 31.1%, Sep	
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D	0.4 cec-Feb: 20.7%, Mar-May: 27.7%, Jun-Aug: 31.1%, Sep  Calculation Method  4_0 - Stack Test - US EPA Reference Method (no	Estimated Emis. (Tons)
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant	Emis. Factor (Lbs/UOM) 2.7711	Emis. Fac	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D	0.4 cec-Feb: 20.7%, Mar-May: 27.7%, Jun-Aug: 31.1%, Sep  Calculation Method  4_0 - Stack Test - US EPA Reference Method (no	Estimated Emis. (Tons)
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199	Emis. Fac	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D	0.4 cec-Feb: 20.7%, Mar-May: 27.7%, Jun-Aug: 31.1%, Sep  Calculation Method  4_0 - Stack Test - US EPA Reference Method (no	Estimated Emis. (Tons)
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant  CO - Carbon Monoxide	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199  Emission Comment: 1991	Emis. Fac TON - TON 1 Stack Test	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D	Calculation Method  4_0 - Stack Test - US EPA Reference Method (no Control EF)  1_0 - Continuous Errission Monitoring System (CEVS)  6 on the common stack. To get errissions per boiler, em	Estimated Emis. (Tons) 316.519891425  511.2323532 issons are scaled by their per
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant  CO - Carbon Monoxide	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199  Emission Comment: 1991  Emission Comment: Emiss	Emis. Fac TON - TOY  Stack Test  sions are mea	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D	Calculation Method  4_0 - Stack Test - US EPA Reference Method (no Control EF)  1_0 - Continuous Emission Monitoring System (CENS)	Estimated Emis. (Tons) 316.519891425  511.2323532 issons are scaled by their per
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant  O - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199  Emission Comment: 1991  Emission Comment: Erriss boiler Part 60 errissions.	Emis. Fac TON - TON 1 Stack Test sions are mea	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D  stor UOM  S  sure by the Part 75 CBMS	Calculation Method  4_0 - Stack Test - US EPA Reference Method (no Control EF)  1_0 - Continuous Emission Monitoring System (CEVS)  6 on the common stack. To get emissions per boiler, em	Estimated Emis. (Tons) 316.519891425  511.2323532 issons are scaled by their per
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant  O - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199  Emission Comment: 1991  Emission Comment: Emissionler Part 60 emissions.  0.02	Emis. Fac TON - TON 1 Stack Test sions are mea	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D  stor UOM  S  sure by the Part 75 CBMS	Calculation Method  4_0 - Stack Test - US EPA Reference Method (no Control EF)  1_0 - Continuous Emission Monitoring System (CEVS)  6 on the common stack. To get emissions per boiler, em	Estimated Emis. (Tons) 316.519891425  511.2323532 issons are scaled by their per
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant  O - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199  Emission Comment: 1991  Emission Comment: Emissionler Part 60 emissions.  0.02  Stack Test Date: 02/06/1999	Emis. Fac TON - TON  Stack Test  E6BTU - M  1 99.0%	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D  stor UOM  S  sure by the Part 75 CBMS	Calculation Method  4_0 - Stack Test - US EPA Reference Method (no Control EF)  1_0 - Continuous Emission Monitoring System (CEVS)  6 on the common stack. To get emissions per boiler, em	Estimated Emis. (Tons) 316.519891425  511.2323532 issons are scaled by their per
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant  O - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199  Emission Comment: 1991  Emission Comment: Emissionler Part 60 emissions.  0.02  Stack Test Date: 02/06/199  Overall Control Efficiency: Emission Comment: 1991  0.012	Emis. Fac TON - TON  Stack Test  EBBTU - M  1  99.0%  Stack Test  EBBTU - M	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D  stor UOM  S  sure by the Part 75 CBMS	Calculation Method  4_0 - Stack Test - US EPA Reference Method (no Control EF)  1_0 - Continuous Emission Monitoring System (CEVS)  6 on the common stack. To get emissions per boiler, em	Estimated Emis. (Tons) 316.519891425  511.2323532 issons are scaled by their per
<b>8317</b> Boiler 2A B-02-02A	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion:	Annual Throughput: 228,443.5 TONS (Coal) (Input)  Pollutant  CO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PR1 - PM10 - Primary (Filterable + Condensible)	Emis. Factor (Lbs/UOM)  2.7711  Stack Test Date: 02/06/199  Emission Comment: 1991  Emission Comment: Erriss boiler Part 60 emissions.  0.02  Stack Test Date: 02/06/199  Overall Control Efficiency: Emission Comment: 1991	Emis. Fac TON - TON  Stack Test  EBBTU - M  1  99.0%  Stack Test  EBBTU - M	Average Hours/Day: 22 Actual Hours/Year: 5,34 Seasonal Operations: D  tor UOM  S  sure by the Part 75 CEVS	Calculation Method  4_0 - Stack Test - US EPA Reference Method (no Control EF)  1_0 - Continuous Emission Monitoring System (CEVS)  6 on the common stack. To get emissions per boiler, em  4_2 - Stack Test - US EPA Reference Method (pre-Control EF)	Estimated Emis. (Tons)  316.519891425  511.2323532 issons are scaled by their per  42.717

Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)				
SO2 - Sulfur Oxides (SOx) expressed as SO2			1_0 - Continuous Errission Monitoring System (CEIVS)	182.043173				
	Emission Comment: Emissions are measure by the Part 75 CEVIS on the common stack. To get emissions per boiler, emissions are scaled by their per boiler Part 60 emissions.							
VOC - Volatile Organic Compounds (VOCs)	0.006	TON-TONS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	0.6853305				
	Stack Test Date: 02/06/1991							
	Emission Comment: 1991 Stack Test							
121142 - 2,4-Dinitrotoluene			10_0 - OK DEQ Approved Method (no EF)	0.007133				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRITRI for Power Plants Software	•				
75070 - Acetaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.007926				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRI TRI for Power Plants Software	- 1				
98862 - Acetophenone			10_0 - OK DEQ Approved Method (no EF)	0.005284				
·	Emission Comment: HAR	and Toxics are calculated usi	ng EPRITRI for Power Plants Software	-\-				
107028 - Acrolein			10_0 - OK DEQ Approved Method (no EF)	0.0092465				
	Emission Comment: HARS	S and Toxics are calculated usi	ng EPRI TRI for Power Plants Software					
107131 - Acrylonitrile		is its and an ordinated to	10_0 - OK DEQ Approved Method (no ⊞)	0.029061				
107 101 7 Kiryioriittiile	Emission Comment: HAP	Sand Toxics are calculated usi	ng EPRI TRI for Power Hants Software	0.020001				
71432 - Benzene (including benzene from gasoline)	Emission Comment. PAP		10_0 - OK DEQ Approved Method (no EF)	0.0053545				
7 1432 - Bertzerie (iricidding bertzerie morngasoline)	Freignian Community I IA IX	Sound Toylog and colouted wei	ng EPRITRI for Power Hants Software	0.0055545				
00075 Davedding	Emission Comment: HAP	and Toxics are calculated usi	-	0.0070075				
92875 - Benzidine		<u> </u>	10_0 - OK DEQ Approved Method (no EF)	0.0073975				
	Emission Comment: HAP	and Toxics are calculated usi	ng EPRI TRI for Power Plants Software	T				
100447 - Benzyl chloride			10_0 - OK DEQ Approved Method (no EF)	0.0050195				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRITRI for Power Plants Software					
117817 - Bis(2-ethylhexyl)phthalate (DEHP)			10_0 - OK DEQ Approved Method (no EF)	0.0063405				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRITRI for Power Plants Software					
75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.0044915				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRITRI for Power Flants Software					
132649 - Dibenzofuran			10_0 - OK DEQ Approved Method (no EF)	0.0073975				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRI TRI for Power Plants Software	•				
84742 - Dibutylphthalate			10_0 - OK DEQ Approved Method (no EF)	0.0019285				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRI TRI for Power Plants Software	- I				
131113 - Dimethyl phthalate			10_0 - OK DEQ Approved Method (no EF)	0.0023775				
7 1	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRI TRI for Power Plants Software					
106934 - Ethylene dibromide (Dibromoethane)			10_0 - OK DEQ Approved Method (no EF)	0.0012945				
Todo T Zilyio a albiorna (Zibi a rboa a lo)	Emission Comment: HAPS	And Toxics are calculated usi	ng EPRI TRI for Power Plants Software	0.0012010				
50000 - Formaldehyde	Emission comment.	Jana Toxico are calculated asi	10 0 - OK DEQ Approved Method (no EF)	0.0039105				
30000 - Formalderlyde	Emission Comment: HAD	Cond Toxics are calculated using	ng EPRITRI for Power Hants Software	0.0003100				
110543 - Hexane	Emission Comment. PAR	did Toxics are calculated usi	<del>-</del>	0.005827				
110343 - Pexalle	Facility Community I IA	> d <b>T</b> '	10_0 - OK DEQ Approved Method (no EF)	0.000027				
	Emission Comment: HAP	and Toxics are calculated usi	ng EPRI TRI for Power Plants Software	To =====				
7647010 - Hydrochloric acid			10_0 - OK DEQ Approved Method (no EF)	0.56743				
		S and Toxics are calculated usinest in 2021 was used in the sof	ng EPRI TRI for Power Plants Software. A site specific emission tware	on tactor of 215 lb/Tbtu based				
7664393 - Hydrogen fluoride (Hydrofluoric acid)			10_0 - OK DEQ Approved Method (no EF)	0.1925065				
	Emission Comment: HAPS	and Toxics are calculated usi	ng EPRI TRI for Power Plants Software	•				
7439976 - Mercury			10_0 - OK DEQ Approved Method (no EF)	0.0024015				
	Emission Comment: HAP	Sand Toxics are calculated usi	ng EPRI TRI for Power Flants Software	+				

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)
		108101 - Methyl isobutyl ketone (Hexone)				10_0 - OK DEQ Approved Method (no EF)	0.023513
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Flants Software	
		75092 - Methylene chloride (Dichloromethane)				10_0 - OK DEQ Approved Method (no EF)	0.0501965
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Plants Software	
		108952 - Phenol				10_0 - OK DEQ Approved Method (no EF)	0.0050195
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software	
		123386 - Propionaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.0132095
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Flants Software	
		7664939 - Sulfuric acid (including acid mist expressed as H2SO4)				10_0 - OK DEQ Approved Method (no EF)	0.021004
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Plants Software	
		108883 - Toluene				10_0 - OK DEQ Approved Method (no EF)	0.004341
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Plants Software	
Emission Unit ID	Unit Process ID	Throughput			Operations		
8317	39176				Average Hours/Day: 22	.0, Days/Week: 5.8, Weeks/Year: 44.0	
Boiler 2A B-02-02A	Natural Gas - Boiler, >= 100 Million	Annual Throughput: 67,121.77 MLLION BTUS (Natural Gas) (Inpu	t)		Actual Hours/Year: 5,34		
EUG-2	BTU/hr				Seasonal Operations: D	ec-Feb: 20.7%, Mar-May: 27.7%, Jun-Aug: 31.1%, Sep-	Nov: 20.5%
•	•	Comment: Natural gas is used as a startup fueld and is co-fired wi	th coal. Therefore, gas hours a	and coal hour	s are the same.		
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide	84.0	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	2.76
			Overall Control Efficiency:	0.0%		•	
		NOX - Nitrogen Oxides (NOx) expressed as NO2	140.0	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	4.61
			Overall Control Efficiency:	99.0%		·	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.25
			Overall Control Efficiency:	99.0%			
		PW25-PRI - PM2.5 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.25
			Overall Control Efficiency:	99.0%		•	•
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.02
			Overall Control Efficiency:	99.922%			
		VOC - Volatile Organic Compounds (VOCs)	5.5	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.181
			Overall Control Efficiency:	0.0%			
Emission Unit ID	Unit Process ID	Throughput			Operations		
8318 Boiler 2B B-02-02B EJG-2	39177 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Grculating Bed	Annual Throughput: 229,662.51 TONS (Coal) (Input)			Actual Hours/Year: 5,28	.2, Days/Week: 6.0, Weeks/Year: 41.0 33.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep-	Nbv: 16.3%
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Mbnoxide	2.7711	TON-TO	VS 2	4_0 - Stack Test - US EPA Reference Method (no Control EF)	318.2088907305
			Stack Test Date: 02/06/199	1			
			1				<del></del>

Pollutant	Emis sian Gorungoby	1991 Sta <b>skils</b> :Stactor UOM	Calculation Method	Estimated Emis. (Tons)				
NOX - Nitrogen Oxides (NOx) expressed as NO2			1_0 - Continuous Emission Monitoring System (CEMS)	449.2606057				
	Emission Comment: E boiler Part 60 emissions.	missions are measure by the Part 75	CEVS on the common stack. To get emissions per boiler, en	rissons are scaled by their per				
PM10-PRI - PM 10 - Primary (Filterable + Condensible)	0.01	E6BTU- MILLION BTUS	$4\_2$ - Stack Test - US EPA Reference Method (pre-Control EF)	21.182				
	Stack Test Date: 02/06			·				
	Overall Control Efficiency: 99.0%							
	Emission Comment: 1	1991 Stack Test	T	1				
PM25-PRI - PM 2.5 - Primary (Filterable + Condensible)	0.008	E6BTU - MILLION BTUS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	12.709				
	Stack Test Date: 02/06	/1991						
	Emission Comment: 1	1991 Stack Test						
SO2 - Sulfur Oxides (SOx) expressed as SO2			1_0 - Continuous Emission Monitoring System (CEVS)	172.6308322				
	Emission Comment: E boiler Part 60 emissions.	missions are measure by the Part 75	CEVS on the common stack. To get emissions per boiler, en	rissons are scaled by their per				
VOC - Volatile Organic Compounds (VOCs)	0.006	TON-TONS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	0.68898753				
	Stack Test Date: 02/06/	/1991	·					
	Emission Comment: 1991 Stack Test							
121142 - 2,4-Dinitrotoluene			10_0 - OK DEQ Approved Method (no EF)	0.007171				
	Emission Comment:	-APS and Toxics are calculated using						
75070 - Acetaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.007968				
	Emission Comment:	APS and Toxics are calculated using		<u> </u>				
98862 - Acetophenone			10_0 - OK DEQ Approved Method (no EF)	0.005312				
407000 4 11	Emission Comment:	HAPS and Toxics are calculated using		To account				
107028 - Acrolein	Finingian Comments	IACC and Taxing are calculated union	10_0 - OK DEQ Approved Method (no EF)	0.009296				
107131 - Acrylonitrile	Emission Comment: F	-APS and Toxics are calculated using	10_0 - OK DEQ Approved Method (no EF)	0.029216				
107 131 - Acryloniulie	Emission Commont: L			0.029210				
71432 - Benzene (including benzene from gasoline)	Emission Comment.	HAFS and Toxics are calculated using	10_0 - OK DEQ Approved Method (no EF)	0.0053745				
7 1402 - Del 12el le (li loldding bel 12el le 110 mgasoline)	Emission Comment:			0.0000740				
92875 - Benzidine	Zinosion commenti	7 TO CAR TO TO CAROLING ASING	10_0 - OK DEQ Approved Method (no ⊞)	0.007437				
	Emission Comment:	HAPS and Toxics are calculated using		1				
100447 - Benzyl chloride			10_0 - OK DEQ Approved Method (no ⊞)	0.0050465				
•	Emission Comment:	HAPS and Toxics are calculated using	- , ,	- I				
117817 - Bis(2-ethylhexyl)phthalate (D⊟-P)			10_0 - OK DEQ Approved Method (no EF)	0.0063745				
	Emission Comment:	APS and Toxics are calculated using	EPRI TRI for Power Plants Software	1				
75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.004515				
	Emission Comment:	APS and Toxics are calculated using	EPRI TRI for Power Flants Software					
132649 - Dibenzofuran			10_0 - OK DEQ Approved Method (no ⊞)	0.007437				
	Emission Comment:	-APS and Toxics are calculated using						
84742 - Dibutylphthalate			10_0 - OK DEQ Approved Method (no EF)	0.001939				
	Emission Comment:	APS and Toxics are calculated using	EPRI TRI for Power Plants Software					
131113 - Dimethyl phthalate			10_0 - OK DEQ Approved Method (no EF)	0.0023905				
	Emission Comment:	HAPS and Toxics are calculated using						
106934 - Ethylene dibromide (Dibromoethane)			10_0 - OK DEQ Approved Method (no EF)	0.0013015				

		Pollutant	Emissian Generation APS	and is: Fac	ergragion/lated using EPRI	TF <b>tarcularien-finetraSe</b> ftware	Estimated Emis. (Tons
		50000 - Formaldehyde				10_0 - OK DEQ Approved Method (no ⊞)	0.003602
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software	
		110543 - Hexane				10_0 - OK DEQ Approved Method (no EF)	0.005856
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Plants Software	<b>.</b>
		7647010 - Hydrochloric acid				10_0 - OK DEQ Approved Method (no EF)	0.57046
			Emission Comment: HAPS upon the average of all HO tes			TRI for Power Plants Software. A site specific emission	
		7664393 - Hydrogen fluoride (Hydrofluoric acid)				10_0 - OK DEQ Approved Method (no EF)	0.209191
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software	_
		7439976 - Mercury				10_0 - OK DEQ Approved Method (no EF)	0.0024145
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software	
		108101 - Methyl isobutyl ketone (Hexone)				10_0 - OK DEQ Approved Method (no EF)	0.0236385
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Plants Software	
		75092 - Methylene chloride (Dichloromethane)				10_0 - OK DEQ Approved Method (no EF)	0.050464
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software	
		108952 - Phenol				10_0 - OK DEQ Approved Method (no EF)	0.0050465
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Plants Software	
		123386 - Propionaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.01328
			Emission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Plants Software	
		7664939 - Sulfuric acid (including acid mist expressed as H2SO4)				10_0 - OK DEQ Approved Method (no EF)	0.019908
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software	
		108883 - Toluene				10_0 - OK DEQ Approved Method (no EF)	0.004351
			Freignian Commonstal IATC				
			mission Comment: HAPS	and Toxics	are calculated using EPR	TRI for Power Flants Software	
nission Unit ID	Unit Process ID	Throughput	Emission Comment: FAPS		operations ⊞R	TRI for Power Plants Software	
<b>18</b> iler 2B B-02-02B	39178 Natural Gas - Boiler,				Operations	2, Days/Week: 6.0, Weeks/Year: 41.0	
<b>18</b> iller 2B B-02-02B	39178				Operations  Average Hours/Day: 22.  Actual Hours/Year: 5,28	2, Days/Week: 6.0, Weeks/Year: 41.0	-Nov: 16.3%
<b>18</b> iller 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion		()		Operations  Average Hours/Day: 22.  Actual Hours/Year: 5,28  Seasonal Operations: D	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9	-Nov: 16.3%
: <b>18</b> biler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input	()		Operations  Average Hours/Day: 22. Actual Hours/Year: 5,28 Seasonal Operations: D s are the same.	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9	
318 biler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired with	th coal. Therefore, gas hours ar	nd coal hours Emis. Fac	Operations  Average Hours/Day: 22. Actual Hours/Year: 5,28 Seasonal Operations: D s are the same.  stor UOM  MILLION STANDARD	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep	Estimated Emis. (To
318 oiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant	th coal. Therefore, gas hours ar Emis. Factor (Lbs/UOM)	nd coal hours Emis. Fac E6FT3S - OUBIC FE	Operations  Average Hours/Day: 22. Actual Hours/Year: 5,28 Seasonal Operations: D s are the same.  stor UOM  MILLION STANDARD	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no	Estimated Emis. (To
318 biler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant	th coal. Therefore, gas hours ar Emis. Factor (Lbs/UOM) 84.0	emis. Fac Emis. Fac E6FT3S - CUBIC FE	Operations  Average Hours/Day: 22. Actual Hours/Year: 5,28 Seasonal Operations: D s are the same. ctor UOM  MILLION STANDARD  T  MILLION STANDARD	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no	Estimated Emis. (Tor
318 oiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  O - Carbon Monoxide	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM) 84.0 Overall Control Efficiency:	Emis. Face E6FT3S - CUBIC FE 0.0% E6FT3S - CUBIC FE	Operations  Average Hours/Day: 22. Actual Hours/Year: 5,28 Seasonal Operations: D s are the same. ctor UOM  MILLION STANDARD  T  MILLION STANDARD	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	Estimated Emis. (Too
318 biler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  O - Carbon Monoxide	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM) 84.0 Overall Control Efficiency: 0	Emis. Face Eight Tas - CUBIC FEE 0.0% Eight Tas - CUBIC FEE 99.0%	Operations  Average Hours/Day: 22. Actual Hours/Year: 5,28 Seasonal Operations: D s are the same. etor UOM  MILLION STANDARD ET  MILLION STANDARD  ET	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	Estimated Emis. (Tor
318 oiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  CO - Carbon Mbnoxide  NOX - Ntrogen Oxides (NOx) expressed as NO2	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM) 84.0 Overall Control Efficiency: 140.0 Overall Control Efficiency: 1	Emis. Face Emis. Face Emis. Face Emis. Face CUBIC FEE 0.0% Emis. Face CUBIC FEE 0.0% Emis. Face Emi	Operations  Average Hours/Day: 22. Actual Hours/Year: 5,28 Seasonal Operations: D s are the same. etor UOM  MILLION STANDARD ET  MILLION STANDARD  ET	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	Estimated Emis. (Tor 2.46
318 oiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  CO - Carbon Mbnoxide  NOX - Ntrogen Oxides (NOx) expressed as NO2	th coal. Therefore, gas hours and Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 140.0  Overall Control Efficiency: 97.6	Emis. Fac EBFT3S - CUBIC FE 0.0% EBFT3S - CUBIC FE 99.0% EBFT3S - CUBIC FE 99.0%	Operations  Average Hours/Day: 22  Actual Hours/Year: 5,28  Seasonal Operations: D  s are the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	Estimated Emis. (Total 2.46
318 biler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  CO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PR1 - PM10 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 140.0  Overall Control Efficiency: 9  7.6  Overall Control Efficiency: 9	EBFT3S - CUBIC FE 99.0% E6FT3S - CUBIC FE 99.0% E6FT3S - CUBIC FE 99.0% CUBIC FE 00.0%	Operations  Average Hours/Day: 22  Actual Hours/Year: 5,28  Seasonal Operations: D  s are the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	2.46 4.1 0.223
318 biler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  CO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PR1 - PM10 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 140.0  Overall Control Efficiency: 9  7.6  Overall Control Efficiency: 9  7.6	Emis. Face Emis. Face Emis. Face Emis. Face CUBIC FE	Operations  Average Hours/Day: 22 Actual Hours/Year: 5,28 Seasonal Operations: D s are the same.  Actor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	2.46 4.1 0.223
318 oiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  CO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PR1 - PM10 - Primary (Filterable + Condensible)  PM25-PR1 - PM2.5 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 140.0  Overall Control Efficiency: 9  7.6	EMIS. Factors Fig. 199.0%  EBFT3S - CUBIC FEE 99.0%	Operations  Average Hours/Day: 22 Actual Hours/Year: 5,28 Seasonal Operations: D s are the same.  Actor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ac-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	Estimated Emis. (Tor 2.46 4.1 0.223 0.223
imission Unit ID 318 toiler 2B B-02-02B UG-2	39178 Natural Gas - Boiler, >= 100 Million	Annual Throughput: 59,726.01 MLLION BTUS (Natural Gas) (Input  Comment: Natural gas is used as a startup fueld and is co-fired wit  Pollutant  CO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PR1 - PM10 - Primary (Filterable + Condensible)  PM25-PR1 - PM2.5 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Llbs/UOM)  84.0  Overall Control Efficiency: 140.0  Overall Control Efficiency: 9  7.6  Overall Control Efficiency: 9  7.6	Emis. Face EBFT3S - CUBIC FE  0.0% EBFT3S - CUBIC FE  99.0%	Operations  Average Hours/Day: 22 Actual Hours/Year: 5,28 Seasonal Operations: D s are the same.  Actor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET	2, Days/Week: 6.0, Weeks/Year: 41.0 3.9 ec-Feb: 17.2%, Mar-May: 27.5%, Jun-Aug: 39.0%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	2.46 4.1 0.223 0.018

Emission Unit ID	Unit Process ID	Throughput			Operations			
<b>8320</b> Vehicle Traffic EUG- 7	39180 Stone Quarrying - Processing (See also 305320) - Hauling	Annual Throughput: 26,139.0 MLES (Vehicle) (Input)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 8,760.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	3.2	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.32	
Emission Unit ID	Unit Process ID	Throughput			Operations			
8321 Coal handling EJG-6	39181 Coal Mning, Cleaning, and Material Handling - Coal Transfer	Annual Throughput: 711,060.78 TONS (Coal) (Input)			Actual Hours/Year: 5,340	7, Days/Week: 7.0, Weeks/Year: 52.0 0.4 c-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep	-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM 10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.5792	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.0716	
Emission Unit ID	Unit Process ID	Throughput			Operations			
8322 Limestone handling EUG-5	39182 Bulk Materials Conveyors - Limestone	Annual Throughput: 34,014.48 TONS (Limestone) (Input)	imestone) (Input)		Average Hours/Day: 14.7, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 5,340.4 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.03	TON-TO	ns .	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.5102172	
			Overall Control Efficiency:	0.0%		T		
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	0.0111	TON-TO	NS .	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.188780364	
			Overall Control Efficiency:	0.0%				
Emission Unit ID	Unit Process ID	Throughput			Operations			
8323 Ash handling EUG-4	39183 Bulk Materials Conveyors - Other Not Classified	Annual Throughput: 66,495.8 TONS (Ash) (Input)			Actual Hours/Year: 8,760	), Days/Week: 7.0, Weeks/Year: 52.0 0.0 c-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep	-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM 10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.841	
		PW25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.1274	
Emission Unit ID	Unit Process ID	Throughput			Operations			
8325 Storage piles EUG-8	39185 Bulk Materials Storage Bins - Coal	Annual Throughput: 531,124.88 TONS (Coal Storage Area) (Existing Coal Storage Area)	ing)		Actual Hours/Year: 8,760	), Days/Week: 7.0, Weeks/Year: 52.0 0.0 c-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep	-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	2.9748	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	1.1899	
Emission Unit ID	Unit Process ID	Throughput			Operations			
36186 Cooling Towers EUG-10	142967 Process Cooling - Mechanical Draft	Annual Throughput: 43,324.8 MLLION GALLONS (Cooling Water)	(Input)		Actual Hours/Year: 5,340	7, Days/Week: 7.0, Weeks/Year: 52.0 ).4 c-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep	-Nov: 25.0%	
L	I				1	- · · · · · · ·		

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor LIOM	Calculation Method	Estimated Emis. (Tons)
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	Line: ructor (Lbs/com)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no	10.1777
		Invito-PN - HVI to - HITTAITY (Pillerable + Wildersbie)				F)	10.1777
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)				8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	8.4475
Emission Unit ID	Unit Process ID	Throughput			Operations		
161174 ENG-1 1,180-hp Cummins KTA-38-G Emergency Diesel Power Generator	284777 Distillate Oil (Diesel) - Reciprocating: Exhaust	Annual Throughput: 12,980.0 HORSEPOWER-HOURS (Distillate Oil	(Diesel)) (Input)		Actual Hours/Year: 11.0	Days/Week: 0.4, Weeks/Year: 26.0 c-Feb: 13.6%, Mar-May: 31.8%, Jun-Aug: 32.7%, Sep-	Nov: 21.8%
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)
			0.00668	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0433532
			Overall Control Efficiency:	0.0%			
		NOX - Ntrogen Oxides (NOx) expressed as NO2	0.031	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.20119
			Overall Control Efficiency:	0.0%			
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.0022	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.014278
			Overall Control Efficiency:	0.0%			
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.00205	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0133045
			Overall Control Efficiency:	0.0%			
		VCC - Volatile Organic Compounds (VCCs)	0.00251	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0162899
			Overall Control Efficiency:	0.0%			
Emission Unit ID	Unit Process ID	Throughput			Operations		
161271 ENG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump	284857 Distillate Oil (Diesel) - Reciprocating: Exhaust	Annual Throughput: 1,958.0 HORSEPOWER-HOURS (Distillate Oil (	Diesel)) (Input)		Actual Hours/Year: 2.2	Days/Week: 0.4, Weeks/Year: 26.0 c-Feb: 45.5%, Mar-May: 0.0%, Jun-Aug: 0.0%, Sep-No	v: 54.5%
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)
			0.00668	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00653972
			Overall Control Efficiency:	0.0%			
		NOX - Ntrogen Oxides (NOx) expressed as NO2	0.031	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.030349
			Overall Control Efficiency:	0.0%			
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.0022	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0021538
			Overall Control Efficiency:	0.0%			•
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.00205	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00200695
			Overall Control Efficiency:	).0%			
		VOC - Volatile Organic Compounds (VOCs)	0.00251	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00245729
			Overall Control Efficiency:	0.0%	<u> </u>		<u> </u>

Emission Unit ID	Unit Process ID	Throughput			Operations			
161286 ENG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	285150 Distillate Oil (Diesel) - Reciprocating	Annual Throughput: 4,620.0 HORSEPOWER HOURS (Distillate Oil (I	Oil (No. 2)) (Input)		Average Hours/Day: 0.4, Days/Week: 0.4, Weeks/Year: 26.0 Actual Hours/Year: 4.0 Seasonal Operations: Dec-Feb: 0.0%, Mar-May: 67.5%, Jun-Aug: 15.0%, Sep-Nov: 17.5%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		CO - Carbon Monoxide	0.0068	HP-HR-H		8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.015708	
			Overall Control Efficiency: 0.	0%				
		NOX - Ntrogen Oxides (NOx) expressed as NO2	0.031 HP-HR-		ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.07161	
			Overall Control Efficiency: 0.	0%	·			
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.0022	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.005082	
			Overall Control Efficiency: 0.	0%				
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.00205	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0047355	
			Overall Control Efficiency: 0.	0%				
		VOC - Volatile Organic Compounds (VOCs)	0.00251	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0057981	
			Overall Control Efficiency: 0.	0%				